

SPECIFICATIONS

Frequency Range:.....	10 cycles - 100 kc
Tuning Method:.....	Switch-selected, 2 significant figures and multiplier.
Frequency Accuracy:.....	±5%
Output Voltage Ranges:.....	0-10 volts into Hi-Z (10 KΩ min.)
	0-3 volts into Hi-Z (10 KΩ min.)
	0-1 volts
	0-.3 volts
	0-.1 volts
	0-.03 volts
	0-.01 volts
	0-.003 volts
	} Into external load of approximately 600 Ω or with internal load into external Hi-Z.
Source Impedance:.....	0-10 volt range - varies between 0 and 1000 Ω.
	0-3 volt range - varies between 800 and 1000 Ω.
	0-1 volt range and below - 600 Ω (External Load)
	290 Ω (Internal Load)
DB Ranges:.....	-60 db to +22 db (-10 to +2 on meter, -50 to +20 on attenuator in 10 db steps).
DBM Ranges (600 Ω Ext. Load):.....	-60 dbm to +2 dbm (0 dbm = 1 mw-600 Ω)
Output Indication:.....	Voltage and db scales on meter.
Output Meter Accuracy:.....	±5% of full scale when properly terminated.
Distortion:.....	Less than 0.1% from 20-20,000 cycles.
Tube Complement:.....	6X4, 6AU6 and 6CL6
Power Requirements:.....	105-125 volts, 50-60 cycles, 40 watts
Dimensions:.....	9 1/2" wide x 6 1/2" high x 5" deep
Shipping Weight:.....	8 lbs.

INTRODUCTION

The Heathkit Model IG-72 Audio Generator is a simple, yet versatile instrument. While simple in layout and easy to construct, the carefully assembled instrument provides ease of operation in a multitude of test setups encountered in audio laboratories. The wide range of repeatable frequencies and the metered low distortion output voltages covering nearly all values encountered in audio work contained in the conveniently small cabinet will entitle this instrument to a preferred spot in the laboratory.

The excellent performance of which this design is capable will not be realized in the finished instrument, UNLESS the assembler uses the best workmanship of which he is capable. Poor soldering technique, corrosive fluxes (acid core, so-called non-corrosive pastes), hurried and careless construction and failure to follow procedures outlined in this manual are the most prevalent causes for unsatisfactory operation. Protect your investment in time and money and reap the reward of personal satisfaction that money cannot buy, by doing a first class job of constructing this kit.